MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

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MAY 14 1938
WEATHER BUREAU

MARCH, 1938

J. A. BROWN, DIRECTOR

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MARCH 1938

METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	64.7	64.1	63.3	64.0	12.2	7.2	8.4	10.0	10.4	9.6
2	1.2	0.3	0.6	0.7	12.8	6.6	10.0	9.9	7.9	9.3
3	1.8	2.5	4.1	2.8	13.6	7.3	8.8	12.7	8.1	9.9
4	5.1	4.3	4.1	4.5	16.1	10.4	11.5	15.4	10.8	12.6
5	2.3	0.8	0.4	1.2	18.6	13.3	15.7	18.2	13.9	15.9
6	57.8	57.9	58.6	58.1	17.4	8.8	14.9	16.7	13.7	15.1
7	61.3	61.5	63.3	62.0	14.4	9.4	12.8	14.1	10.4	12.4
8	3.4	2.5	2.3	2.7	15.9	10.8	13.8	15.2	12.3	13.8
9	3.0	3.6	4.3	3.6	17.7	12.1	14.8	17.1	12.8	14.9
10	4.7	4.1	4.1	4.3	17.8	10.6	14.3	16.7	12.6	14.5
11	63.7	62.2	62.8	62.9	18.5	11.5	15.0	17.9	13.6	15.5
12	2.7	2.0	1.8	2.2	18.8	11.0	15.0	18.3	13.5	15.6
13	0.8	59.8	59.7	0.1	17.7	11.0	16.7	13.3	11.8	13.9
14	0.0	9.7	9.8	59.8	18.4	10.1	12.5	16.7	13.6	14.3
15	57.7	7.0	6.7	7.1	13.7	9.3	10.6	10.3	11.1	10.7
16	60.1	62.1	63.6	61.9	15.0	8.7	12.6	13.7	10.1	12.1
17	3.3	2.6	2.1	2.6	17.6	9.8	11.8	15.3	11.1	12.7
18	2.5	2.6	4.5	3.2	17.9	10.9	14.6	17.2	11.9	14.6
19	5.4	5.5	7.7	6.2	18.4	10.3	16.0	17.1	12.7	15.3
20	70.7	9.5	8.6	9.6	19.5	12.1	16.9	18.8	15.0	16.9
21	67.6	64.5	63.8	65.3	18.3	13.1	15.9	16.8	13.1	15.3
22	1.8	58.6	59.4	59.9	19.7	13.9	15.9	18.4	16.3	16.9
23	2.1	61.4	62.8	62.1	22.4	13.1	17.3	20.8	15.3	17.8
24	2.7	2.2	3.2	2.9	20.5	12.5	16.4	19.8	15.5	17.2
25	3.5	3.2	4.0	3.6	20.4	12.4	17.7	15.5	13.5	15.6
26	64.7	63.6	64.4	64.2	19.9	12.4	16.8	19.3	14.6	16.9
27	4.7	2.5	0.8	2.7	19.7	14.7	16.8	18.7	15.5	17.0
28	58.3	1.3	55.3	58.3	20.8	15.2	17.2	18.6	19.4	18.4
29	5.4	55.6	7.9	6.3	20.1	12 9	17.3	17.6	14.1	16.3
30	8.2	9.1	60.4	9 2	16.7	8.9	15.2	14.4	9.8	13.1
31	61.9	61.5	62.6	62.0	18.2	10.3	14.3	17.1	12.7	14.7
	762.36	761.88	762.16	762.13	17.70	10.99	14.44	16.12	12.81	14.48

Barometer, range for month 755.3 mm.–770.7 mm.
,, 50-yr. average for month 761.163 mm.
Thermometer, range for month 6.6° C.—22.4° C.
,, 50-yr. average for month 16.19° C.
Rain, total for month 96.139 mm.
,, , 50-yr. average for month 98.300 mm.
,, , total, Sept. 1st to end of month 1118.346 mm.
,, 50-yr. average, Sept. 1st to end of month 826.02 mm.

MARCH 1938

METEOROLOGICAL REGISTER

Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain mm.
	8:30	14:30	20:30	Mean	8:30	14:30	20:30	Mean		Kms.	
1	7.5	8.2	6.6	7.4	91	90	70	84	1.5	294.7	4.064
2	7.2	7.5	7.3	7.3	79	84	91	85	0.5	513.1	24.638
3	6.6	5.8	7.8	6.7	93	61	72	75	3.7	279.0	3.175
4	7.1	6.7	7.3	7.0	76	51	76	66	8.1	263.4	
5	7.6	8.6	8.4	8.2	57	55	71	61	9.1	224.3	
6	8.2	8.7	7.6	8.2	65	61	65	64	4.9	167.4	
7	6.3	9.4	6.1	7.3	58	79	64	67	8.9	251.4	1.524
8	7.0	8.0	6.8	7.3	56	63	64	61	2.9	350.5	3.810
9	9.9	9.1	9.2	9.4	79	64	83	75	9.1	200.8	5.461
10	9.1	9.0	8.1	8.7	76	64	76	72	9.2	282.0	
11	8.7	8.9	9.0	8.9	69	58	78	68	9.3	297.0	
12	9.0	8.4	9.2	8.9	71	52	79	67	7.0	398.1	
13	9.1	9.9	8.3	9.1	65	87	80	77	3.0	453.8	14.478
14	10.1	9.2	8.8	9.4	94	65	76	78	6.3	419.7	4.826
15	8.5	8.9	8.0	8.5	89	95	82	89	0.2	523.4	17.145
16	6.5	6.4	6.1	6.3	61	54	66	60	8.1	473.6	
17	7.9	8.4	8.3	8.2	76	64	85	75	4.0	401.6	2.286
18	8.5	8.1	7.0	7.9	68	56	68	64	7.1	319.2	2.159
19	8.7	8.5	6.6	7.9	65	59	60	61	7.4	424.7	
20	8.0	8.4	7.9	8.1	56	52	62	57	9.7	432.7	
21	9.6	9.9	10.6	10.0	71	70	95	79	0.4	285.5	
22	10.7	10.9	9.8	10.5	79	70	72	74	0.0	303.0	
23	10.1	12.9	10.3	11.1	68	70	79	72	9.7	255.8	
24	10.6	12.1	11.3	11.3	77	70	87	78	9.7	394.6	
25	10.7	10.2	9.3	10.1	71	78	80	76	5.5	421.3	5.080
26	10.6	11.5	10.4	10.8	74	69	83	75	9.7	293.2	
27	10.5	11.5	11.5	11.2	73	72	88	78	6.1	215.6	
28	11.8	11.5	9.4	10.9	81	73	56	70	0.6	298.5	
29	9.7	9.8	8.0	9.2	66	66	66	66	7.0	587.2	5.969
30	7.6	7.2	8.2	7.7	59	59	90	69	3.3	425.4	
31	7.7	7.4	7.1	7.4	63	52	64	60	8.0	318.6	1.524
	8.78	9.09	8.33	8.74	73.6	66.6	75.1	71.1	5.8	347.07	3.101

Height of Barometer above sea level: 33.7 meters.

„ „ Thermometers above ground:

Dry and wet 1.55 m.; Max. 1.75 m.; Min. 1.70 m.

Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.

Time of readings minus 2 hours equals G. C. T.

50-year averages are for period, 1875-1924

MARCH, 1938

METEOROLOGICAL REGISTER

	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	10nicu	10ni	5cu	8.3	2s	2s	4se	slight	
2	10ni	10ni	10ni	10.0	3s	4s	4s	„	ltng, thunder hail p.m.
3	10ni	7cu	0	5.7	6s	3nw	2ne	mod.	
4	9stcu	4ci	0	4.3	2se	3n	3e	slight	
5	4ci	2cu	3cu	3.0	1e	3n	2se	mod.	
6	10cicu	10cu	9cu	9.7	2s	2s	0	„	violent squall from
7	5cu	1cu	1cu	2.3	1n	1sw	2e	„	N. at night.
8	3stcu	10ni	10ni	7.7	3se	3s	3s	slight	
9	5cu	3stcu	7stcu	5.0	1se	2nw	1e	mod	
10	0	0	0	0.0	2ne	3n	3n	slight	
11	0	0	0	0.0	1ne	3n	3n	„	mist a.m.
12	10cu	0	10cu	6.7	2s	3s	3s	calm	
13	10cu	8cu	4cu	7.3	3s	4s	3s	„	
14	10ni	7cu	7cu	8.0	3w	4s	4s	slight	
15	10ni	10ni	10ni	10.0	2s	3s	5n	„	
16	7cu	4cu	2cu	4.3	5n	4nw	3n	rough	
17	9cu	10cu	10cu	9.7	3s	3s	3s	mod.	
18	4cu	5cu	0	3.0	3se	2nw	3se	calm	
19	4cu	3cu	2cu	3.0	2se	5n	3n	mod	
20	0	0	3cu	1.0	2se	4n	3n	„	
21	10cicu	10ci	3ci	7.7	3sw	2n	3se	slight	
22	10cicu	10cicu	4ci	8.0	2n	3e	3e	„	
23	2st	0	0	0.7	3sw	2w	2e	„	
24	0	3cu	5cu	2.7	3s	3s	3se	„	
25	6cu	10ni	5cu	7.0	4s	3s	3s	mod	
26	3cu	5cu	0	2.7	3s	3sw	2sw	slight	
27	0	10ci	10cu	6.7	2sw	2w	2se	„	
28	10cu	10cu	7cu	9.0	2s	1sw	3e	calm	
29	6cu	7cu	4cu	5.7	5s	4s	4s	rough	
30	8nicu	5cu	6cu	6.3	3s	4w	2s	„	
31	4cu	8stcu	6ci	6.0	2s	3w	2se	slight	
				5.53	2.6	2.9	2.8		

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Total
8:30	3	2	1	6	15	3	1	0	0	31
14:30	7	0	1	0	12	3	4	4	0	31
20:30	6	1	6	7	9	1	0	0	1	31
Totals	16	3	8	13	36	7	5	4	1	93

Number of days with rain 14, fog 0, thunderstorms 0, gales 0.

50 yr. average number of days with rain during month 10.9